



K. J. Somaiya College of Engineering

(Autonomous College Affiliated to University of Mumbai)



Department of Electronics and Telecommunication Engineering

July- December 2017

Newsletter

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Department of Electronics and Telecommunications

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Message from the Desk of Head

Inside This Issue

- 1 Message from the Desk of Head
- 2 Program Educational Outcomes (PEO's)
- 3 Congratulations, Welcome, Department Meeting
- 4 Department Activities
- 9 Faculty Activities
- 13 Staff Activities
- 13 Student Activities
- 15 Technical Events
- 16 Placement Details and Student Internship



As the new HOD of the Electronics and Telecommunication department, I extend my warm greetings to everyone. The even semester has already begun and the annual function and sports events have already been conducted recently. The last semester results are already out and the pass percentage is quite appreciable. Congratulations to all the successful students and best wishes to all for the current semester.

It gives me immense pleasure to inform you that many of our students of the final year batch 2017-18 have bagged placements at the reputed organizations. The details will be available on our college website shortly. We hope to repeat this feat in future as well. Our endeavor has always been to provide students with the best and as a part of this, we are in the process of updating some of our laboratories and setting up new ones coupled with advanced technology. We hope to get them ready by the next academic year.

I would also like to remind everyone associated with the department, that suggestions and contributions for the betterment of the department and the college as a whole are always welcome.

On that note, I take your leave. Good Day!!

Dr. Ameya K. Naik
(HOD, EXTC)

Program Educational Outcomes (PEO's)

Program Educational Objectives (PEOs) as “describe what graduates are expected to attain within a few years of graduation.”

Vision:

To become center of excellence for creating competent engineers with evolving technical skills, leadership qualities with human values to pursue excellence in professional field.

Mission:

Providing quality education to

- Develop technical skills, soft skills and professional ethics to cater the needs of industry.
- Promote research and creativity in Engineering and technology.
- Inculcate awareness towards societal needs and environmental issues.

A graduate of Electronics and Telecommunication Engineering will be able to:

- **PEO1:** Excel in professional career by adapting emerging technologies.
- **PEO2:** Pursue higher education, research; address environmental issues with ethical practices.
- **PEO3:** Solve real life problems in a team as a member or as a leader.

Program Specific Outcomes for Department

- **PSO1:** Pursue higher studies in the field of Signal Processing, Networking and VLSI
- **PSO2:** Update Knowledge and Industrial Skills through Training and Internship

OBJECTIVES		OUTPUTS		OUTCOMES	
MISSION AND VISION 	STUDENT AND INSTRUCTOR EXPECTATIONS 	PROGRAMS, ACTIVITIES, AND SERVICES OFFERED 	NUMBER OF ENROLLMENTS AND GRADUATES 	SATISFACTION WITH QUALITY OF PROGRAMS 	TRANSFORM EXPERIENCES 
QUALITY STANDARDS 	PERFORMANCE GOALS 	REPUTATION AND RANK 	ACCREDITATIONS, PARTNERSHIPS, AND ALLIANCES 	NOTABLE ACHIEVEMENTS 	CAREER READINESS AT PERFORMANK 

Congratulations

18th December, 2017

Dr. Rizwan Ahmed, Mr. Kartik Patel, Ms. Chaitali Kulkarni and Ms. Akshata Prabhu appointed as Assistant Professor.

Welcome

January 2018

Ms. Jennifer Isaac and Ms. Chetna Singh appointed as faculty.

Departmental Meeting

12th July 2017

Meeting Agenda:

- ✚ Departmental Activities
- ✚ Departmental SWOT Analysis
- ✚ IA Test and Unit tests Conduction and Evaluation
- ✚ Research related tasks

Faculty Activities

Activities by Dr. Ramesh. G. Karandikar

04th Nov., 2017

Academic Expert at departmental Advisory Board Meeting at Shah & Anchor Kutchi Engineering College, Mumbai.

22nd September, 2017

Expert for NAAC visit preparation at Thakur College of Engineering and Technology

23rd August, 2017

Examiner for ME (E&TC) project stage II at MITCOE,Pune.

4th August, 2017

Participated in academic leadership meet on "Building professional engineers through activity based learning" Thakur College of Engineering & Technology, Kandivali, Mumbai.

4th August, 2017

Participated in 'Cluster Mentor Meeting' at Vidyalkar Institute of Technology, Wadala, Mumbai.

2nd August, 2017

Post Graduate examiner referee (MTech Sem -VI) at Sardar Patel College of Engineering Andheri, Mumbai.

18th July, 2017

Convener for "Digidhan Janjagruti Yojna" by Maharashtra state.

Participation at Guest Lectures /STTP/Workshops /Seminars

16th Dec. to 17th Dec., 2017

Prof. Jayshree. M. Kundargi attended two days STTP on "Introduction to Machine Learning" organized by IIT Kharagpur (KJSCE Remote Center)

4th Dec. to 17th Dec., 2017

Prof. Kiran V. Ajetroa and Prof. Ankit D. Khivasara attended short term training program on 'Deep Learning with application in Language, vision and Control' at Thiagarajar College of Engineering, Madhura, Tamil Nadu.

4th Dec. to 9th Dec., 2017

Prof. Jyoti M. Varavadekar attended AICTE-ISTE approved course on ' Sensor Technology and Innovations' organized by Department of Electronics, KJSCE, Mumbai

18th Sept. to 23rd Sept., 2017

Prof. Amey S. Gawde and Prof. Nitin S. Nagori attended QIP Short term Course on "Engineering Economics" organized by AICTE, New Delhi

18th Sept. to 22nd Sept., 2017

Dr. Ameya. K. Naik attended course on Advanced topics in embedded systems and Robotics at VMCC IIT Bombay.

03rd August to 7th Sept. 2017 &

14th September to 12th October.2017

FDP on "IITBombayX: FDP101x Foundation Program in ICT for Education" organized by IIT Bombay (RC ID1016- KJSCE)

Participants:

Prof. Rohini Deshpande, Prof. Swati Mahajan, Prof. Sangeeta Kulkarni, Prof. Savita Raut, Prof. Sharvari Deshmane, Prof. Kartik Patel, Prof. Deepak Kulkarni and Prof. Kiran Ajetroa

22nd July, 2017

One day hands-on training session on "Google Classroom" was organized by Prof. Manish Potey, Department of Computer Engineering KJSCE, Vidyavihar.

Participants:

Prof. Ruchira. A. Jadhav, Prof. Swati Mahajan, Prof. Savita Raut, Prof. Kartik Patel, Prof. Mrinal Nemade, Prof. Jyoti Tryambake, Prof. Shilpa Vatkar, Prof.

Prof. Vandana Satam, Prof. Bharati Singh, Prof. Sangeeta Kulkarni, Prof. Deepak . P. Kulkarni, Prof. Akshata Prabhu, Prof. Swati Salve, and Prof. Jyoti Varavadekar .

1st July to 10th July, 2017

Prof. Ankit Khivasara attended STTP on "Introduction to Data Structure and Programming in C" at IIIT, D&M, Jabalpur.

Guest Lectures/Workshops/Seminars organized

11th Dec. to 16th Dec. 2017

Prof. Dr. Ramesh. G. Karandikar conducted two sessions on "Outcome Based Accreditation Process & Parameters for NAAC and NBA Accreditation" in AICTE, ISTE, approved one week STTP at Jawaharlal Darda Institute of Engineering & Technology, Yavatmal.

18th October, 2017

Prof. Ruchira. A. Jadhav organized seminar on "Spreading the awareness about bio-composting; designs devices for home and commercial purpose" for all branches faculty/staff/students at Department of EXTC, KJSCE.

Participants:

Prof. Ruchira. A. Jadhav, Prof. Swati. S. Mahajan, Prof. Savita. C. Raut, Prof. Kartik. R. Patel, Prof. Jyothi. S. Tryambake, Prof. Akshata. N. Prabhu, Prof. Chaitali. J. Ingale, Ms. Sapna Desai, Ms. Siddhi Gaonkar, Ms. Jayprabha Arekar, Ms. Vaishali Jondhale

11th October, 2017

Prof. Kiran. J. Ajetroa and Prof. Amey. G. Gawde organized seminar on "Placements" at department of EXTC, KJSCE.

Participants:

L.Y.B.Tech and T.Y.B.Tech Students

4th October, 2017

Prof. Jyoti. M. Varvadekar organized hands on session on "Google Classroom" at Department of EXTC, KJSCE.

Participants:

- Prof. Ruchira. A. Jadhav
- Prof. Swati. S. Mahajan
- Prof. Savita. C. Raut
- Prof. Kartik. R. Patel
- Prof. Mrinal. D. Nemade
- Prof. Jyoti. S. Tryambake
- Prof. Shilpa. N. Varkar
- Prof. Vandana. J. Satam
- Prof. Bharati. A. Singh
- Prof. Sangeeta. S. Kulkarni
- Prof. Deepak. P. Kulkarni
- Prof. Akshata. N. Prabhu
- Prof. Swati. A. Salve
- Prof. Jyoti. M. Varavdekar

14th September, 2017

Prof. Sangeeta. S. Kulkarni and Prof. Swati. S. Mahajan organized guest lecture for Faculty and M.Tech students on "Visual Presentation Skills" at Department of EXTC, KJSCE.

Participants:

- Prof. Kartik. P. Patel
- Prof. Jyoti. S. Tryambake
- M.Tech Students

September, 2017

Dr. Ameya. K. Naik delivered lecture during event Image and Video Processing at Shree L. R. Tiwari college of engineering, Mira Road, Mumbai.

6th September, 2017

Prof. Chaitali. J. Ingale organized seminar on "IOT Technologies" for S.Y. B.Tech Students at Department of EXTC, KJSCE.



10th August, 2017

Dr. Ramesh. G. Karandikar delivered lecture on "NBA Accreditation & SAR Writing Techniques" in STTP at Saraswati Institute of Technology, Mumbai.

22nd July, 2017

Prof. Mahesh. M. Warang organized one day workshop on "Electronic System Design using AVR Microcontroller" organized by the Department of Electronics, Electronics and

Telecommunication Engineering, KJSCE, Vidyavihar.

12th and 15th July, 2017

Prof. Mahesh. M. Warang and Ms. Jayprabha Arekar organized and conducted workshop on "Microcontroller board (PT-51) fabrication" for T.Y.B.tech Students at Department of EXTC, KJSCE.

Cognitive Radio", IEEE International Conference on Antenna Innovations and Modern Technologies for Ground, Satellite and Aircraft Applications (iAIM 2017), Banglore, India.

Prof. Bharati. A. Singh:" Ananalysis of lower order and fundamental mode of shorted Equilateral triangular Microstrip Antenna with 50Ω Microstrip Line Feed", IEEE International Conference on Antenna Innovations and Modern Technologies for Ground, Satellite and Aircraft Applications (iAIM 2017), Banglore, India.

Faculty Publications



16th December, 2017

Prof. Kartik. P. Patel: "Use of Active Learning Techniques and ICT tools to inspire Online and Blended Teaching-Learning Process, WIN-WIN situation for both faculty and students", Peer reviewed An International Multidisciplinary Research Journal "ROYAL", Volume-VI, Issue-II, English Part-I, December-May-2017-2018,ISSN-2278-8158-Impact Factor-4.42.

24th November to 26th November, 2017

Prof. Anudeepa. S. Kholapure, Dr. Ramesh. G. Karandikar: "Printed MIMO antenna with Reconfigurable Single and Dual Band Notched Characteristics for

Prof. Vandana Satam:" Dual Polarized Four element diversity Antenna for UWB Applications", IEEE International Conference on Antenna Innovations and Modern Technologies for Ground, Satellite and Aircraft Applications (iAIM 2017), Banglore, India.

9th September to 11th September, 2017

Prof. Jayshree. M. Kundargi, Dr. Ramesh. G. Karandikar: "Fingerprint Liveness Detection Using Wavelet Based Completed LBP Descriptor", Peer reviewed International Conference on Computer Vision and Image Processing (CVIP2017), IIT Roorkee.

September 2017

Prof. Anudeepa. S. Kholapure, Dr. Ramesh. G. Karandikar", UWB Antenna with Reconfigurable Triple Band Notched Characteristics for Cognitive Radio", ICTACT Journal of communication technology, ISSN 2229-6948,Sept 2017,Vol No.8,Issue 3,1553-1558.

Dr. Ameya. K. Naik:" Comparison of Feature Extraction Methods for Image Analysis and its Application for Classification of Food Items in Computer Vision, pp: 104 – 109", International Journal on Recent and Innovation Trends in Computing and Communication.

Technical papers peer reviewed by faculty:

Dr. Ameya Naik peer reviewed papers in IET Image Processing, Journal Electronics Imaging and IEEE Transactions on Circuits and Systems II:Express Brief.

Prof. Sangeeta Kulkarni peer reviewed the paper of ICTIEE 2018, Fifth International Conference on Transformations in Engineering Education.

Prof. Jayshree. M. Kundargi peer reviewed the paper in the area of Image Processing.

Dr. Ramesh.G. Karandikar reviewed the report on "Design and Development of a 3.7 GHz 1kW CW Solid state driver for the LHCI System from PFRC –BRNS Gandhinagar Gujarat", 28th Nov., 2017.

Prof. Vandana Satam reviewed the manuscript WIRE-D-17-01287 on "Cell Free Massive MIMO with Limited Capacity Fronthaul" Wireless Personal Communications.

Online Course/Any other activity completed

24th July to 23rd September, 2017

Prof. Amey. G. Gawde completed Online Course on "Analog Circuits" organized by NPTEL IIT Madras.

Prof. Savita Raut completed Online Course on "Basic Electrical Circuits" organized by NPTEL IIT Madras.

Participation in Sports



September, 2017

Institute level Sports

Prof. Savita. C. Raut won 1st position in Table Tennis in Sheild 2017.

Prof. Anudeepa. S. Kholpaure won 1st position in Carrom in Sheild 2017.

Prof. Ankit Khivasara won 3rd position in Chess in Sheild 2017.

Parent-Proctor Meeting

16th September, 2017

Prof. Ruchira. A. Jadhav organized Parents meeting for attendance, result, remedial actions regarding failure students and placement discussion.

Industrial Visits

Prof. Bharati. A. Singh organized industrial visit at Photonics Laboratory, SAMEER for MTech students. Prof B. A. Singh and Prof. Dipak. P. Kulkarni accompanied the visit.



Technical Events

ABHIYANTRIKI 6th October to 7th October, 2017

Staff Activities

Mr. Santhosh. A. Chaudhari completed Advance Diploma in "computer software System Analysis" by MSBTE.

11th November 2017

Ms. Sapna. K. Desai and Ms. Siddhi. L. Goankar attended Workshop on A - View classroom server & installation of Moodle server organized by IIT Bombay.

Student Activities

UG Student Publications

Dupathi Nagasai, Lalith Ramakrishna Jyothsna, G. Manasa:" Microwave Antennas", at DY Patil Institute of Technology on 15th October,2017.

Nandu Mayur Hasmukh Chandrika:" Boeing" IITB, Techfest on 30th December 2017.

Technical Paper publication:

Mohite Pritam:" Driver drowsiness detection", IEEE, KJSCE Abhiyantriki

Jagani Aditya Ramesh Jyotsna:" Embedded systems in Automobile, IEEE,

KJSCE Abhyantriki

Dodia Jay Anil Alpa:" Use of microcontroller in Automobiles", IEEE, KJSCE Abhyantriki

Parakkal Shruti George Mary:" Artificial Intelligence in Security Systems", IEEE, KJSCE Abhyantriki

Extra-Curricular Activities

December 2017

Ms. Soofiyan Atar won first prize in Tech hunt, KJSCE

September 2017

Ms. Parakkal Shruti George Mary won the Gold Medal for Volleyball.

Ms. Kadam Mrinal Ramakant Swati won the Gold Medal for Volleyball.

Mr. Abhishek Kulkarni won the second place in Shield Music 2017

Placement Details 2017-18

Sr. No.	Company	No. of offers (UG)	CTC (in Lacs)
1	Accenture	59	3.5
2	L & T infotech	09	4.18
3	Seclore Technologies	01	5.4 to 6
4	Capgemini	08	3.15
5	Reliance industries ltd	03	5.5
6	Majesco	04	3.65
7	Colgate	02	4.6
8	Oracle	01	5.19
9	Performance Convonix	01	3.2
10	Researchwire knowledge solution	03	5
11	ZS Associates	02	5.68
Total		93	

Student's Internship 2017-18

Second Year (S.Y. B.Tech)

Sr. No.	Name Of Students	Industry / Institute during internship	Period
1.	Saipriya Iyar	K.J. Somaiya College of Engineering	10/01/208 to 10/03/2018
2	Mrinal Malkar	Air India Limited	06/12/2017 to 06/01/2018
3.	N. Sai Karthik	Righteous Systems	19/01/2018 to 18/04/2018

Third Year (T.Y.B.Tech)

Sr. No.	Name Of Students	Industry / Institute during internship	Period
1.	Dhawal Panchal	Indian Railways	06/12/2017 to 07/01/2018
2.	Navanshuman Parmar	Indian Railways	06/12/2017 to 07/01/2018
3.	Manali Chaudhari	ABB India Ltd.	07/12/2017 to 07/01/2018
4.	Mrinal Kadam	BARC, Trombay	01/12/2017 to 05/01/2018
5.	Shruti Parakkal	BARC, Trombay	01/12/2017 to 01/01/2018
6.	Neha Tandon	Siemens Ltd., Airoli	04/12/2017 to 05/01/2018
7.	Sohel Momin	CAMP K12	28/08/2017 to 10/09/2017
8.	Sohel Momin	BARC	December 2017 to January 2018
9.	Niraj Mandaliya	Indian Railways	06/12/2017 to 06/01/2018
10.	Diya John	KJSCE, Dr. A.K.Naik	December 2017
11.	Astha Singh	KJSCE, Dr. A.K. Naik	December 2017
12.	Harsh Mehta	Indian Railways	06/12/2017 to 06/01/2018
13.	Tanushri Das	BARC	04/12/2017 to 04/01/2018
14.	Ninad Modak	GAIL Limited	05/12/2017 to 05/01/2018
15.	Krupa Solanki	BARC	04/12/2017 to 04/01/2018
16.	Mansi Shah	Reliance Jio Infocomm. Ltd.	02/12/2017 to 02/01/2018
17.	Leander Savio	BARC	05/12/2017 to 05/01/2018
18.	Jay Dodia	IIT Hyderabad (Work from home)	

Sr. No.	Name Of Students	Industry / Institute during internship	Period
19.	Aishwarya Shetty	International Agencies Company Limited	10/12/2017 to 28/12/2017
20.	Siddhant Jagtap	Simen's Ltd.	07/12/2017 to 08/01/2018
21.	Rani Tresa	BARC	26/11/2017 to 10/01/2018
22.	Mansi Paradkar	NPCL	07/12/2017 to 07/01/2018
23.	Khyati Patel	NPCL	07/12/2017 to 07/01/2018
24.	Simran Rajput	NPCL	07/12/2017 to 07/01/2018
25.	Arnab Panda	Doordarshan, Worli	06/12/2017 to 06/01/2018
26.	Neha Tondon	Bharat Bijlee Limited, Airoli	06/12/2017 to 06/01/2018
27.	Astha Singh	Doordarshan, Worli	01/01/2018 to 06/01/2018
28.	Pratiksha Sakpal	Doordarshan worli	07/12/2017 to 06/01/2018
29.	Rasika Sarang	Doordarshan worli	07/12/2017 to 06/01/2018
30.	Priyanka Gupta	Doordarshan worli	07/12/2017 to 06/01/2018
31.	Gauri Kudarkar	Doordarshan worli	07/12/2017 to 06/01/2018
32.	Nidhi Gorade	Doordarshan worli	07/12/2017 to 06/01/2018
33.	Vivek Thakkar	Astrea Solutions LLP	13/12/2017 to 05/01/2018
34.	Sarthak Shah	Astrea Solutions LLP	13/12/2017 to 05/01/2018
35.	Ashlesha Kharat	Relience Jio	05/12/2017 to 29/12/2017

Editorial Board

Chair person

Dr.Ameya. K. Naik

Editorial committee

Ms. Anudeepa. S. Kholapure

Ms. Esther Jennifer Isaac
Ms. Naziya Matte

